



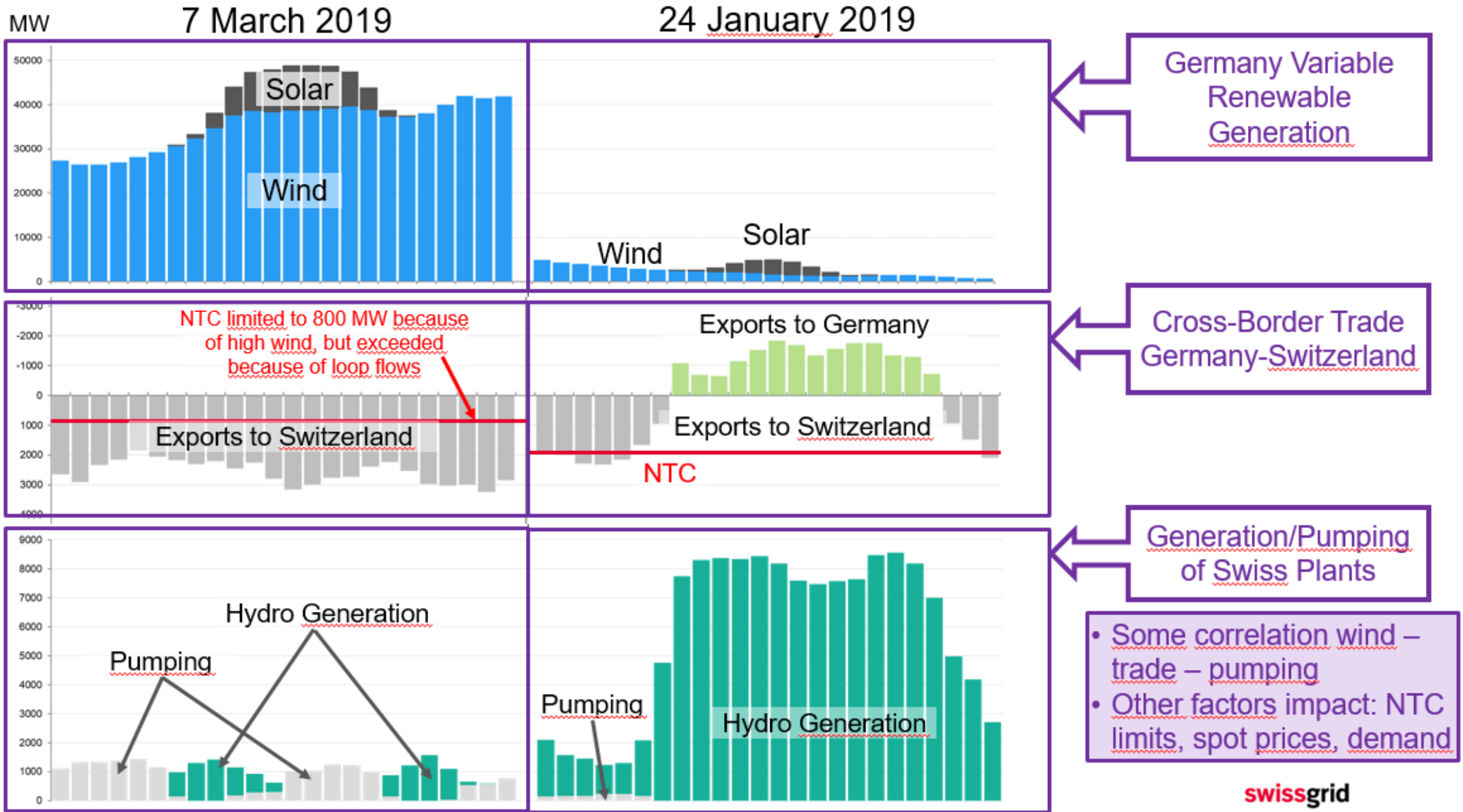
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Bundesamt für Energie BFE
Office fédéral de l'énergie OFEN
Ufficio federale dell'energia UFE
Uffizi federal d'energia UFE



SYSTEM INTEGRATION OF RENEWABLES

BENOÎT REVAZ, STATE SECRETARY SWISS FEDERAL OFFICE OF ENERGY

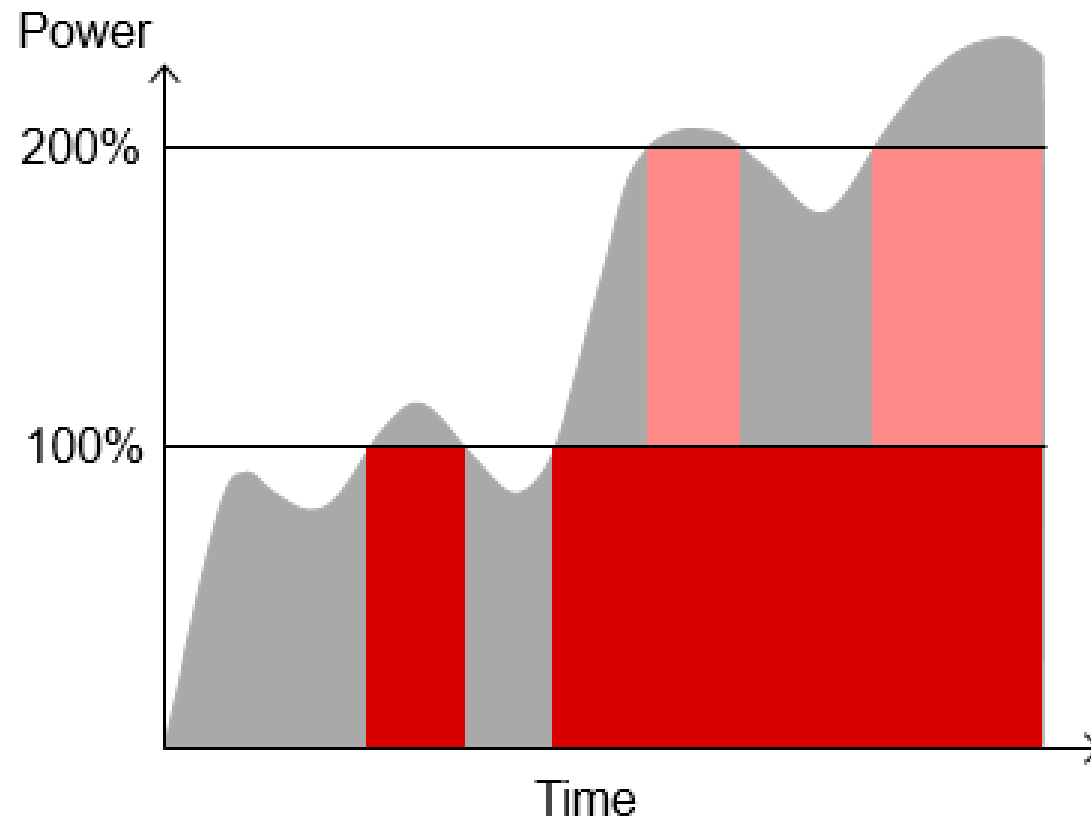




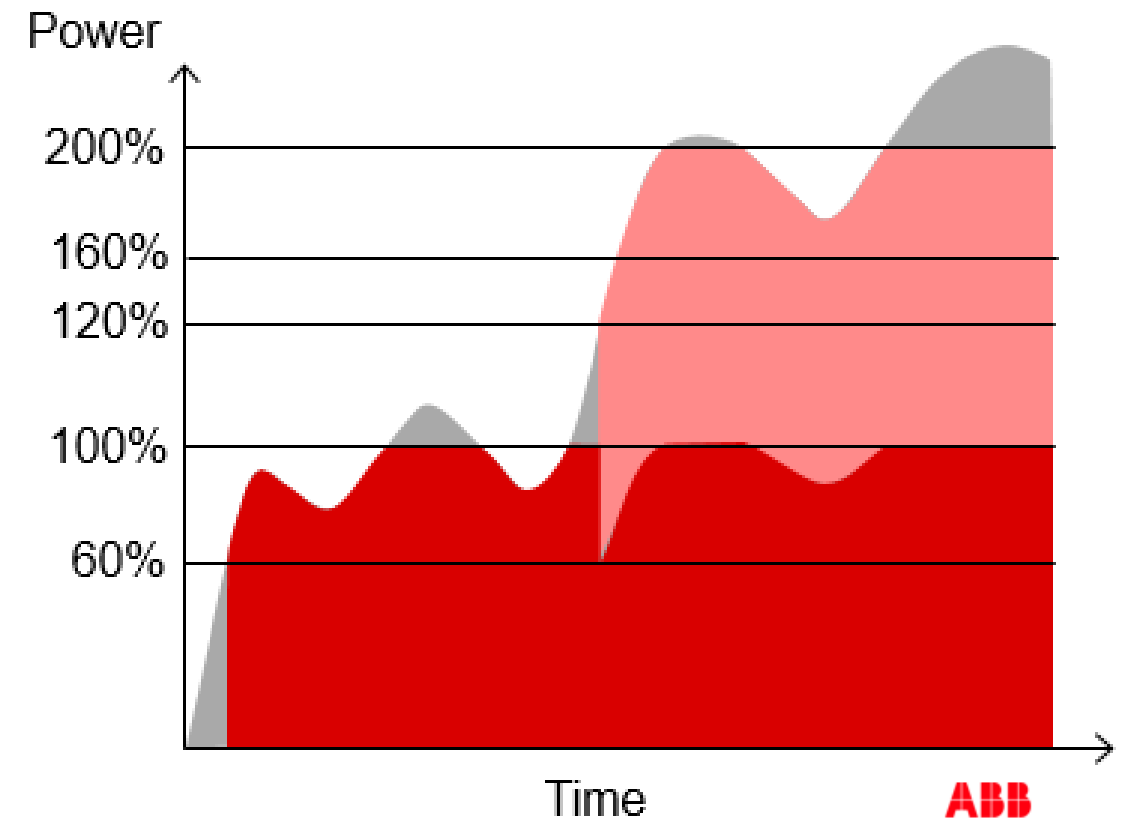
- Available power from the grid
- Machine 1 in operation
- Machine 2 in operation

Simplified operation scheme

Fixed Speed



Variable speed - CFSM

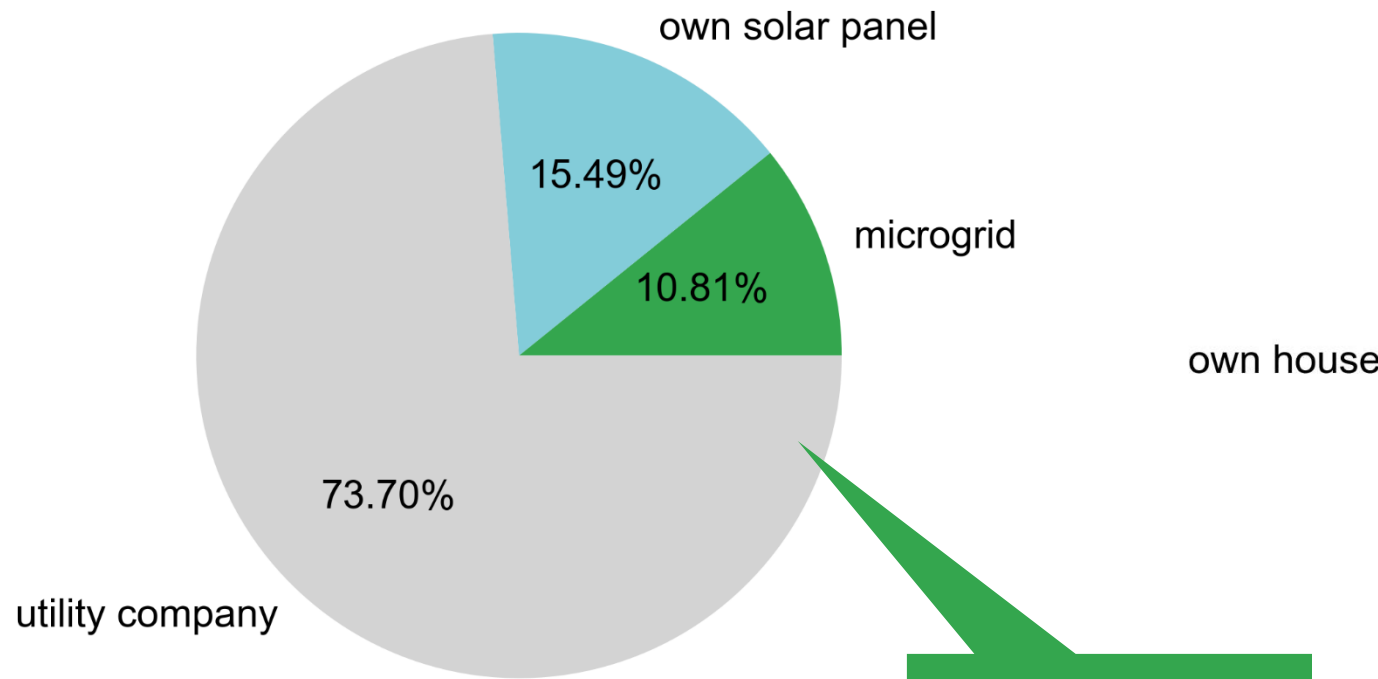




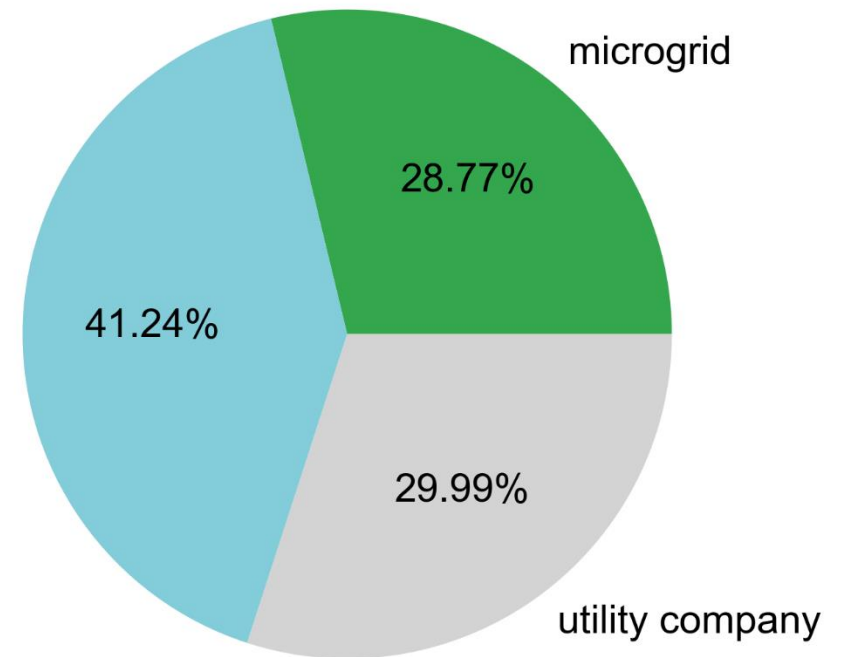
INCREASE OF SELF-SUFFICIENCY

(Data Jan – Mar 2019)

Self-supply



Self-consumption



Quartierstrom